

FIG. 1

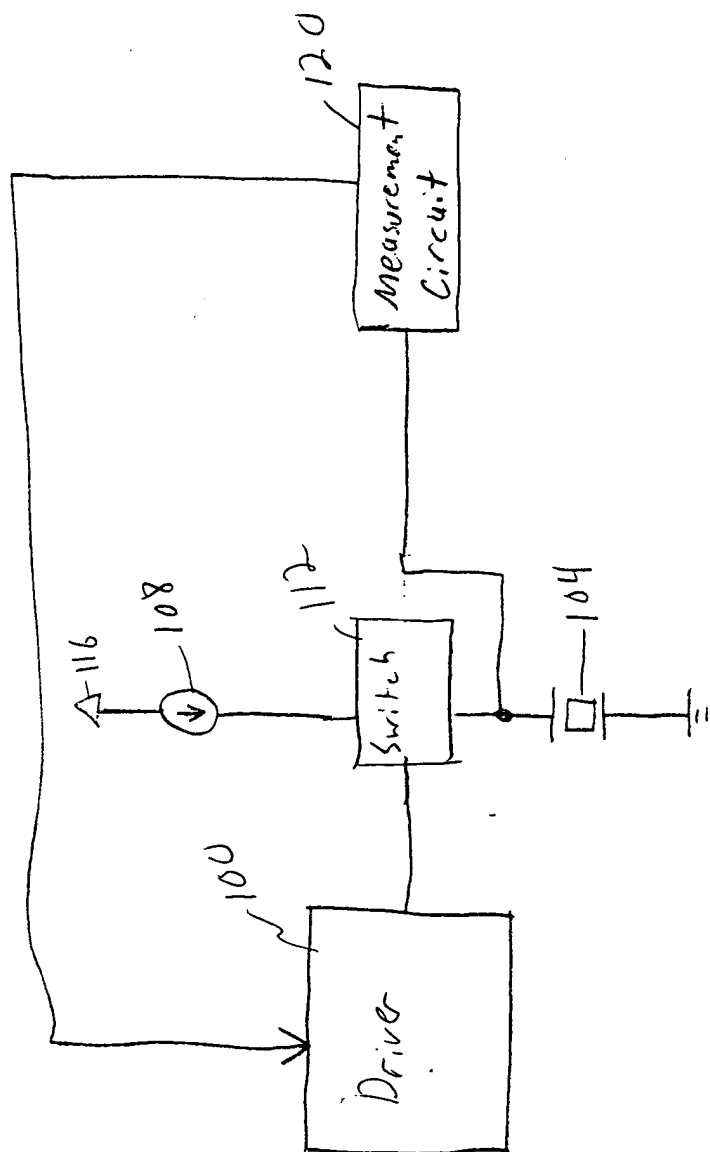


Fig 2

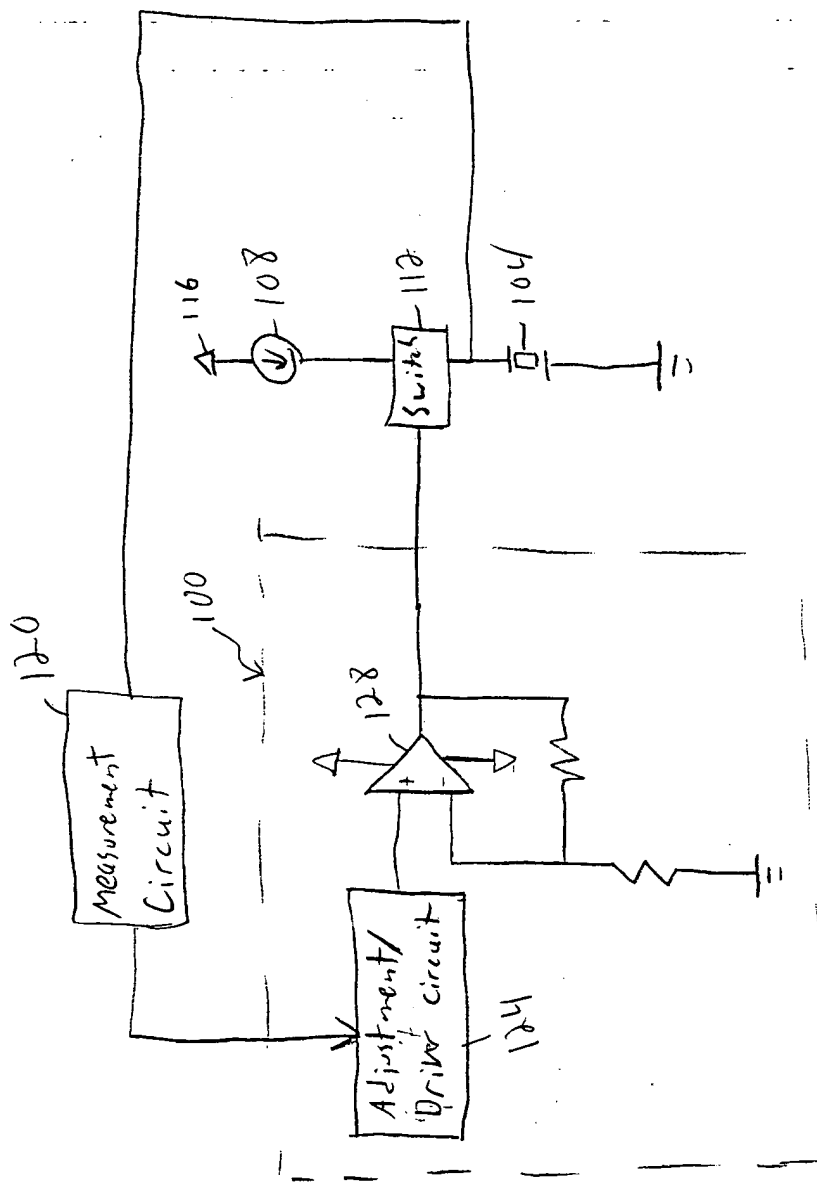


Fig. 3

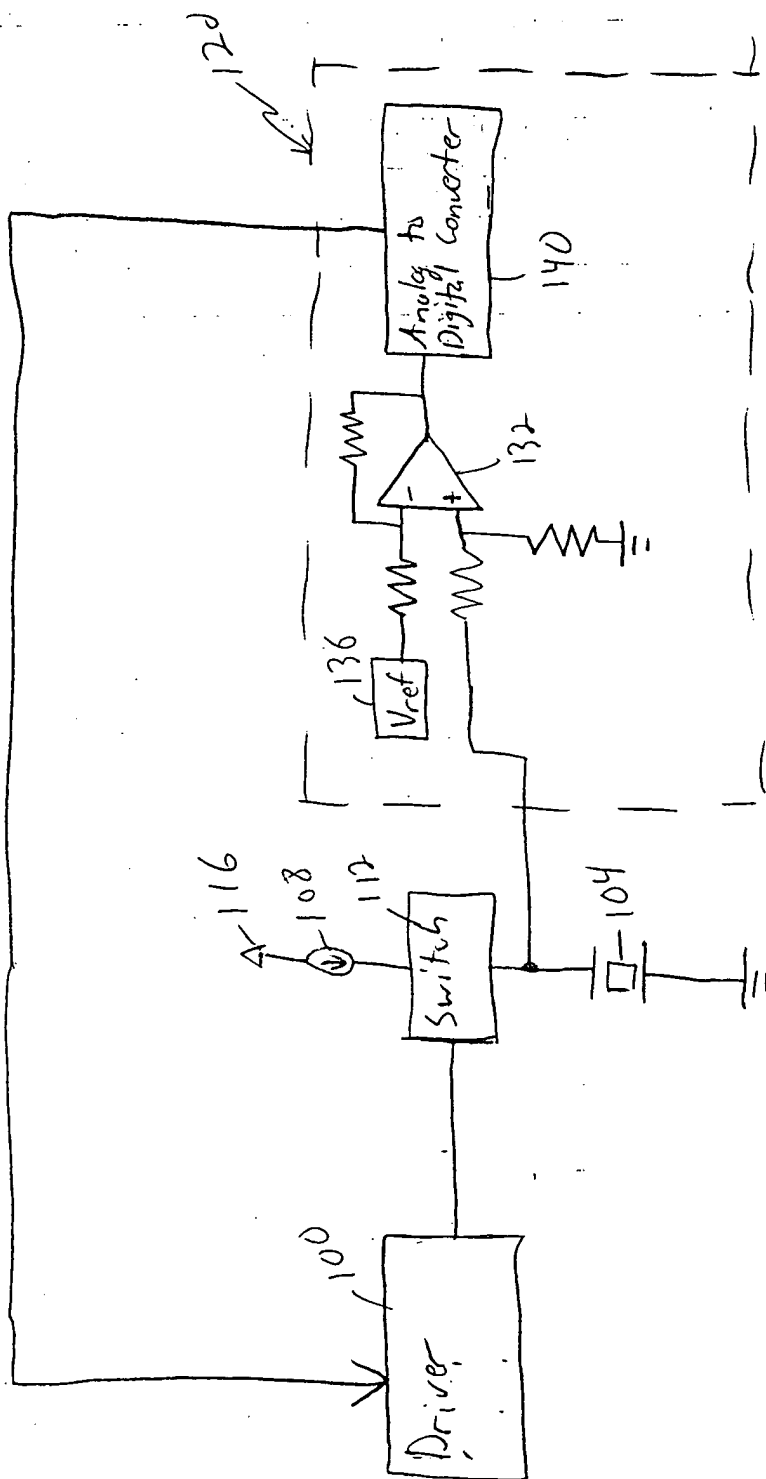


Fig. 4

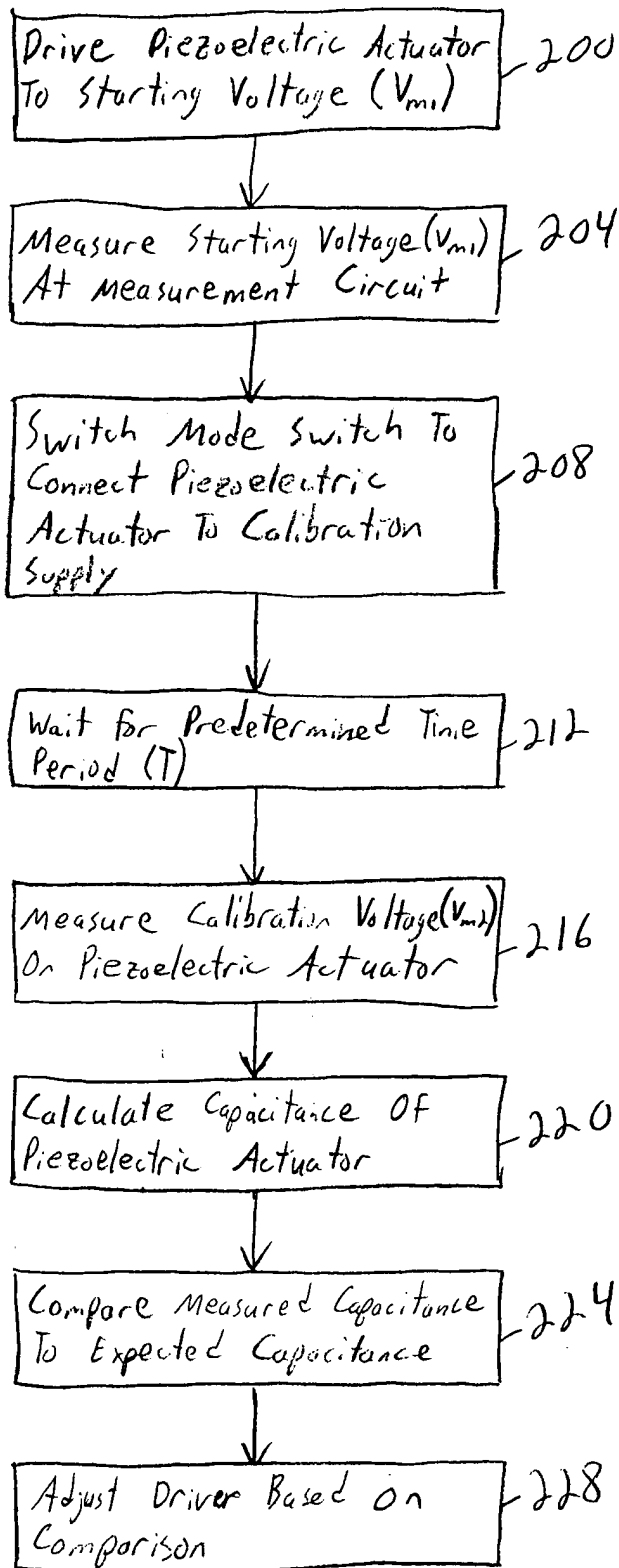


Fig. 5

Drive Piezoelectric
Actuator To Known
Starting Voltage 300

Switch mode switch
to connect Piezoelectric
Actuator to Calibration
Supply 304

Monitor Voltage
on The Piezoelectric
Actuator and start
Timer 308

Stop timer when the
Voltage on the
Piezoelectric Actuator
reaches Predetermined
level 312

Calculate Capacitance of
Piezoelectric Actuator 316

Compare Measured
Capacitance to Expected
Capacitance 320

Adjust driver based
on comparison 324

Fig. 6